

Certified Validation Report: Provided by Validator

Audit Information:

Water Supplier Name: **Azusa Light and Water** PWS ID: 1910007

System Type: **Potable** Audit Period: **Calendar 2018**

Utility Representation: **Melissa Barbosa (Senior Water System Engineer), Carlos Solis (Water Production Supervisor)**

Validation Date: **September 26, 2019** Meeting Time: **1:30 PM** Sufficient Supporting Documents Provided: **Yes**

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: Data Validity Band (Level): **Band IV (71-90)**

ILI: **5.53** Real Loss: **74.27 gallons/connection/day** Apparent Loss: **22.12 gallons/connection/day**

Non-revenue water as percent of cost of operating system: **6.1 %**

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here.

Validator Information:

Water Audit Validator: **Tanmay Thakur** Qualifications: **Water Audit Validator Certificate issued by the CA-NV Section of the AWWA**

Certified Validation Report Template, Part B: Provided by Utility

Water Supplier Name:

Water Supplier ID Number:

Water Audit Period:

Water Audit & Water Loss Improvement Steps:

Utility to provide steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

Recommendation for meter testing/calibration by age/size with relevant documentation.

Azusa Light & Water (ALW) has a program to field test and calibrate all supply water meters annually. ALW is in the process of replacing all customer meters with new, ultra-sensitive AMI meters and will capture GPS locations with each installation. Water leaks are recorded in ALW's GIS model and asset management system to prioritize replacement. The utility has a 5 year scheduled capital improvement program to replace approximately 1.5 miles of leaking and undersized pipeline per year. ALW plans to implement third party testing of all customer meters after the AMI project is complete and will develop a list of all equipment owned with depreciation values. The Water Production Section plans to implement Heart technology for all supply meters to be recorded on the Supervisory Control and Data Acquisition system.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Executive Position

Signature

Date

Jared Macias

Assistant Director of Utilities – Water Operations



9/30/19